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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/686,703 Confirmation No. : 8816  
First Named Inventor : Atsushi KOSHIZAKA  
Filed : October 17, 2003  
TC/A.U. : 2681  
Examiner : Unassigned  
Docket No. : 056203.52848US  
Customer No. : 23911  
Title : High-Frequency Transceiver Apparatus and Method  
of Manufacturing the Same

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§ 1.97 AND 1.98**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This supplements the Information Disclosure Statement submitted in the above-identified application on October 17, 2003.

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached Form PTO-1449 and/or listed herein and which the Examiner may deem relevant to patentability of the claims of the above-identified application.

An English abstract is being submitted herewith, for the reference listed on the PTO 1449 form as AC.

Applicant encloses herewith a copy of a corresponding foreign Search Report citing such documents, together with an English-language version (if not already included) of that portion of the Search Report indicating the degree of relevance found by the foreign office.

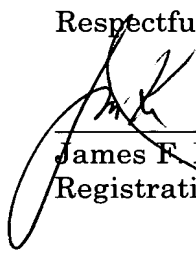
The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date or (2) before the mailing date of the first Office Action on the merits (whichever is later), and therefore no certification under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

If necessary, the paper should be considered as a petition for consideration of the Information Disclosure Statement under 37 C.F.R. § 1.97(d)(2) and that the petition fee set forth in 37 C.F.R. § 1.17(i) in accordance with 37 C.F.R. § 1.97(d)(3) should be charged to Deposit Account 05-1323, Attorney Docket No.: 056203.52848US.

Respectfully submitted,

May 3, 2005



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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)  Sheet 1 of 1		<b>Complete if Known</b>	
		Application Number	10/686,703
		Filing Date	October 17, 2003
		First Named Inventor	Atsushi KOSHIZAKA
		Art Unit	2681
		Examiner Name	Unassigned
		Attorney Docket Number	056203.52848US

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	AA	EP 0 905 816 A2	09/30/1998	Mitsubishi Denki Kabushiki Kaisha		
	AB	EP 1 304 766 A1	06/15/2001	Sharp Kabushiki Kaisha		
	AC	WO 02/03499 A1	01/10/2002	Sharp KK; Yamada Atsushi		AB

NON PATENT LITERATURE DOCUMENTS			
Exam iner Initial	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AD	JOHN HUANG, "The Development on Inflatable Array Antennas", IEEE Antennas and Propagation Magazine, August 2001, pp. 44-50, vol. 43, no. 4, XP-001103474	
	AE	AARON ADLER, et al., "Novel Phased Array Antenna Structure Design", IEEE Aerospace Conference, 1998, pp. 69-81,	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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